

ABSTRACT

The manufacturing method includes forming a molecular film 16 of at least one kind of molecule on a part of a conductive film 13 by placing, on the 5 conductive film 13, a solution 12 containing the one kind of molecule dissolved therein, with the one kind of molecule being selected from the group consisting of: a molecule expressed by Formula (1): $\text{CF}_3(\text{CF}_2)_n(\text{CH}_2)_m\text{SH}$, where n indicates a natural number of 3 to 7 while m denotes a natural number of 8 to 18; and a molecule expressed by Formula (2):

10 $\text{CF}_3(\text{CF}_2)_p(\text{CH}_2)_q\text{SS}(\text{CH}_2)_{q'}\text{CF}_3$, where p and p' each are a natural number of 3 to 7 independently while q and q' each are a natural number of 8 to 18 independently. Subsequently, the conductive film 13 located in a part where the molecular film 16 has not been formed is removed by bringing the conductive film 13 into contact with an etchant for the conductive film 13.

15 Thus, a conductive pattern 17 is formed.